Please type a plus sign (+) inside this box		
Substitute for form 1449A/B/BTO TO AUG 0 1 2005 G		Complete if Known
Substitute for form 1449AIB/PTO	Application Number	10/720,582
INFORMATION BISCLOSURE STATEMENT BY APPEICANT	Filing Date	November 24, 2003
CTATEMENT DV ANOSME	First Named Inventor	Kutsovsky
STATEMENT BY APPERCANT	Group Art Unit	1754
(Use as many sheets as necessary)	Examiner Name	Cooke, Colleen P.
	Attorney Docket Number	02019CON

LVM Reference No.

Sheet

of

225308

	U.S. PATENT DOCUMENTS								
		U.S. Patent Document							
Examiner Initials			Kind Code	Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate			
CL	CN	5,075,090		Lewis et al.	Dec. 24, 1991				
	CO	5,876,683	Α	Glumac et al.	Mar. 2, 1999	_			
	CP	6,110,437	Α	Schall et al.	Aug. 29, 2000				
	CQ	6,551,567	B2	Konya et al.	Apr. 22, 2003				
	CR	6,602,820	B1	Gobel et al.	Aug. 5, 2003				
CL	CS	2002/041963	A1	Konya et al.	Apr. 11, 2002				
	 		 						
	<u> </u>	· 							
			 						
					·				
			1						
					1				

	FOREIGN PATENT DOCUMENTS										
		F	oreign Patent Docume	nt			Trans	slation			
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No**			
CL	CT	DE	199 55 456	A1	Degussa-Huls AG	May 23, 2001		X ⁺			
1	CU	EP	0 471 139	A2	Corning Incorporated	Feb. 19, 1992					
	CV	WO	90/10596	A1	TSL Group PLC	Sep. 20, 1990					
	CW	wo	90/15019	A1	Cabot Corporation	Dec. 13, 1990					
cu	СХ	wo	98/09753	A1	Nanomaterials Research Corporation	Mar. 12, 1998					

	OTHER - NON PATENT LITERATURE DOCUMENTS		
	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	ation
Initials No. (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.		Yes	No
			<u> </u>
			ļ
	Doc. No.	No. (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher,	Doc. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher,

Examiner Signature Columbia. Cook Date Considered 2306

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

Please	type	a	olus	sign	(+)	Inside	this	box	_

			•			6
→	+	DEC	2	2	2003	1
	T					4

Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)								
Sheet	1	of	4					

Complete if Known						
Application Number	10/720,582					
Filing Date	November 24, 2003					
First Named Inventor	Kutsovsky					
Group Art Unit	Unassigned					
Examiner Name	Unassigned					
Attorney Docket Number	02019	-				
LVM Docket Number	225308					

				U.S. PATENT DOCUMENTS		
Examiner Initials	Doc. No.	U.S. Patent Document Application or Patent Number Kind		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
CC	AA	Re. 28,974		Morgan et al.	Sep. 21, 1976	
	AB	2,631,083		Engelson et al.	Mar. 10, 1953	·-
	AC	2,693,406		Wendell, Jr. et al.	Nov. 2, 1954	
	AD	2,771,344		Michel et al.	Nov. 20, 1956	
	ΑE	2,773,741		Antonsen	Dec. 11, 1956	
	AF	2,780,525		Wendell, Jr. et al.	Feb. 5, 1957	
	AG	2,801,901		Dingman et al.	Aug. 6, 1957	
	АН	2,803,038		Holland et al.	Aug. 20, 1957	
	ΑI	2,828,186		Dingman et al.	Mar. 25, 1958	-
	AJ	2,829,949		Wendell, Jr. et al.	Apr. 8, 1958	
	AK	2,847,316		Michel et al.	Aug. 12, 1958	
	AL	3,006,738		Wagner	Oct. 31, 1961	
	AM	3,007,774		Stokes et al.	Nov. 7, 1961	
	AN	3,024,089		Spencer et al.	Mar. 6, 1962	-
	AO	3,065,093		Berstein et al.	Nov. 20, 1962	
	AP	3,112,210		Carpenter et al.	Nov. 26, 1963	
	AQ	3,130,008		Stokes et al.	Apr. 21, 1964	
	AR	3,166,542		Orzechowski et al.	Jan. 19, 1965	
	AS	3,203,762		Carpenter	Aug. 31, 1965	
	ΑТ	3,205,177		Orzechowski et al.	Sep. 7, 1965	
	ΑU	3,205,178		Orzechowski et al.	Sep. 7, 1965	
CL	AV	3,212,911		Berstein et al.	Oct. 19, 1965	

	FOREIGN PATENT DOCUMENTS										
		Foreign Patent Document				Trans	slation				
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No*+			
			· · · · · · · · · · · · · · · · · · ·	-							
				-							
											

_		OTHER - NON PATENT LITERATURE DOCUMENTS		
Examiner Doc.	Doc. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	Trans	lation	
Initials			Yes	No*+
		<u> </u>		ł

Examiner Signature Date Considered

A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

3. *	OIP	ES
Please type a plus sign (+) inside this box ->	DEC 2 2	2003 X
Substitute for form 1449A/B/PTO	TRADE	MARYAGE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) Sheet 2 4

	Complete if Known	
Application Number	10/720,582	
Filing Date	November 24, 2003	
First Named Inventor	Yakov E. KUTSOVSKY	
Group Art Unit	Unassigned	
Examiner Name	Unassigned	
Attorney Docket Number	02019	
LVM Docket Number	225308	

			U.	S. PATENT DOCUMENTS		
Examiner Initials	Doc. No.	U.S. Patent Document Application or Patent Number Kind Code		Name of Patentee or Applicant	Date of Publication	Filing Date I
<u>C</u> (AW	3,322,499	 	Carpenter et al.	May 30, 1967	7 ppropilate
1	AX	3,363,980		Krinov	Jan. 16, 1968	
	AY	3,365,274		Carpenter et al.	Jan. 23, 1968	
	AZ	3,372,001		Wendell	Mar. 5, 1968	
	ВА	3,406,228		Hardy et al.	Oct. 15, 1968	
	BB	3,455,653		Aftandilian	Jul. 15, 1969	
	BC	3,488,204		Jordan et al.	Jan. 6, 1970	
	BD	3,493,342		Weaver et al.	Feb. 3, 1970	•
	BE	3,510,291		Brush	May 5, 1970	
	BF	3,510,292		Hardy et al.	May 5, 1970	
	BG	3,607,049		Weaver, Jr. et al.	Sep. 21, 1971	
	ВН	3,619,140		Morgan et al.	Nov. 9, 1971	
	ВІ	3,663,283		Herbert et al.	May 16, 1972	
	BJ	3,922,335		Jordan et al.	Nov. 25, 1975	
	BK	4,023,961		Douglas et al.	May 17, 1977	
	BL	4,879,104		List et al.	Nov. 7, 1989	
	ВМ	4,937,062		Jordan et al.	Jun. 26, 1990	
1	BN	6,086,841		Lee	Jul. 11, 2000	
CL	ВО	6,364,944		Mahmud et al.	Apr. 2, 2002	
			ļ			
			<u> </u>		l	

		Foreign Patent Document					Translation	
Examiner Initials	Doc. No.	Office	Application or Patent Number	Kind Code	Name of Patentee or Applicant	Date of Publication	Yes	No
cu	ВР	JP	59-223217	A	Tokuyama Soda KK	Dec. 15, 1984	Х	
_								

Examiner [Doc.	oc. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item				
Initials No.	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.					
			/			
			, <u> </u>			

Examiner Signature Date Considered

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

· •	6	IPE	
Please type a plus sign (+) inside this box ->	. DEC	2 2 2003	C42 3
	13		S

C mplet if Known	
Substitute for form 1449A/B/PTO Application Number 10/720,582	
INFORMATION DISCLOSURE Filing Date November 24, 2003	
First Named Inventor Vakov F KUTSOVSKY	
STATEMENT BY APPLICANT Group Art Unit Unassigned	
(Use as many sheets as necessary) Examiner Name Unassigned	
Sheet 3 of 4 Attorney Docket Number 02019	
LVM Docket Number 225308	

		OTHER - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book,	Tran	slation
Examiner Initials	Doc. No.	magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	No**
المس	BQ	BRIESEN et al., "The effect of precursor in flame synthesis of SiO ₂ ," Chem. Eng. Sci., 53(24), 4105-4112 (1998)		
0	BR	BRIESEN et al., "Synthesis of SiO₂ particles from organometallic precursors," World Congress on Particle Technology, 3, 1-6 (1998)		
CV /	BS	BRUNAUER et al., "Adsorption of gases in multimolecular layers," J. Am. Chemical Society, 60, 309-319 (1938)		
ω	ВТ	DAVIDSON et al., "Kinetics of the thermolysis of octamethylcyclotetrasiloxane in the gas phase," J.C.S. Faraday Transactions I, 71, 2260-2265 (1975)		
رس	BU	DAVIDSON et al., "Kinetics of the oxidation of octamethylcyclotetrasiloxane in the gas phase," J.C.S. Faraday Transactions I, 72, 1088-1095 (1976)		
001	BV	GLASSMAN, Combustion, Academic Press, Orlando (1987), pp. 15-27.		
V 1	BW	GLUMAC, "Formation and consumption of SiO in powder synthesis flames," Combustion and Flame, 125, 702-711 (2001)		
7	ВХ	HASEGAWA et al., "Effect of additive oxides on ultrafine CeO ₂ particles synthesized by the spray-ICP technique," <i>J. Mat. Sci. Letters</i> , <i>15(18)</i> , 1608-1611 (1996)		
رسان	ВҮ	HSHIEH, "Predicting heats of combustion and lower flammability limits of organosilicon compounds," Fire Mater., 23, 79-89 (1999)		
cr/	BZ	HUNG et al., "Formation of mixed oxide powders in flames: Part I. TiO₂-SiO₂," J. Mater. Res., 7(7), 1861-1869 (July 1992)		
ر مان	CA	INGEBO et al., "Drop-size distribution for crosscurrent breakup of liquid jets in airstreams," National Advisory Committee for Aeronautics Technical Note 4087 (1957)		·
cv d	СВ	KAMMLER et al., "Flame synthesis of nanoparticles," Chem. Eng. Technol., 24(6), 583-596 (2001)		
cu	CD	KAMMLER et al., "Scaling-up the production of nanosized SiO₂-particles in a double diffusion flame aerosol reactor," J. Nanoparticle Res., 1, 467-477 (1999)		
ch)	CE	KAMMLER et al., "Synthesis of silica-carbon particles in a turbulent H ₂ -air flame aerosol reactor," AIChE J., 47(7), 1533-1543 (July 2001)		
CL	CF	KODAS et al., Aerosol Processing of Materials, 28-31, Wiley VHC, New York (1999)		
a	CG	KROSCHWITZ, exec. ed., <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , 4 th ed., John Wiley & Sons, New York (1997), pp. 1026-1027		
a	СН	MÄDLER et al., "Controlled synthesis of nanostructured particles by flame spray pyrolysis," <i>J. Aerosol Sci., 33</i> , 369-389 (2002)		

					1
Examiner Signature	College	P. Caoba	Date Considered	23	DL

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

Please type a plus sign (+) inside this box ->	<u> </u>	DET.	1	7	2003	501	١
		שנו	Z		aus	N	l
	\¥					.\$1	

				<u> </u>		
			THE ASSESSMENT OF THE PARTY OF	7	C mplete if Kn wn	-
Substitute for f	orm 1449A/B/PTO		THE PADEMARY OF	Application Number	10/720,582	
INE	ORMATION	וספותו	OSURE	Filing Date	November 24, 2003	
				First Named Inventor	Yakov E. KUTSOVSKY	
31 <i>P</i>	TEMENT E	OT APP	LICANI	Group Art Unit	Unassigned	
	(Use as many she	ets as nece	ssary)	Examiner Name	Unassigned	
Sheet	4	of	4	Attorney Docket Number	02019	
				LVM Docket Number	225308	

		OTHER - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Yes	slation No ⁻⁺
d	CI	SANO et al., "Analysis of production process of oxidized metallic powder (preparation of cerium dioxide particles by spray pyrolysis method)," <i>Proceedings of ICLASS-'97, vol. 2,</i> 1045-1052 (August 18-22, 1997)		
cw	Cl	SANOGO et al., "Kinetic studies of the reaction of tetraethoxysilane with oxygen atoms," J. Electrochem. Soc., 144(8), 2919-2923 (August 1997)		
CL	.CK	SUZUKI et al., "Synthesis of ultrafine single-component oxide particles by the spray-ICP technique," J. Mat. Sci., 27(3), 679-684 (1992)		
CC	CL	VALLET-REGI et al., "Synthesis and characterization of CeO₂ obtained by spray pyrolysis method," <i>Materials Science Forum Vols. 235-238</i> , 291-296 (1997)		
CC	CM	WEISS et al., "Atomization in high velocity airstreams," ARS J., 29(4), 252-259 (1959)		
			<u> </u>	

Examiner Signature College 1. College Date Considered 2 3 DL

^{*} A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

⁺ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).